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HB 4766

Sci-Min/Met

Jan 60

106/205

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HB 4765

Sci - Chem

Jan 60

106,212

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Jan 60

105,748

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CDS I.T.3470

Sci

Nov 61

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HB 5119

Sci - Engr

Jul 61

162,748

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AEC Tr-4524

Sci - Min/Met
Jun 61

155,951

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HB 4871

Sci - Engr

Jan 61.

136,585

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BISI 2084

Sci - Engr

161,037

Jul 61

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S-155/60 (NY-3659).

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JPRS 2422

Sci - Min/Met
Apr 60

OTS 60-11454

111,931

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HB 4855

123,080

Sci - Min/Met

Aug 60

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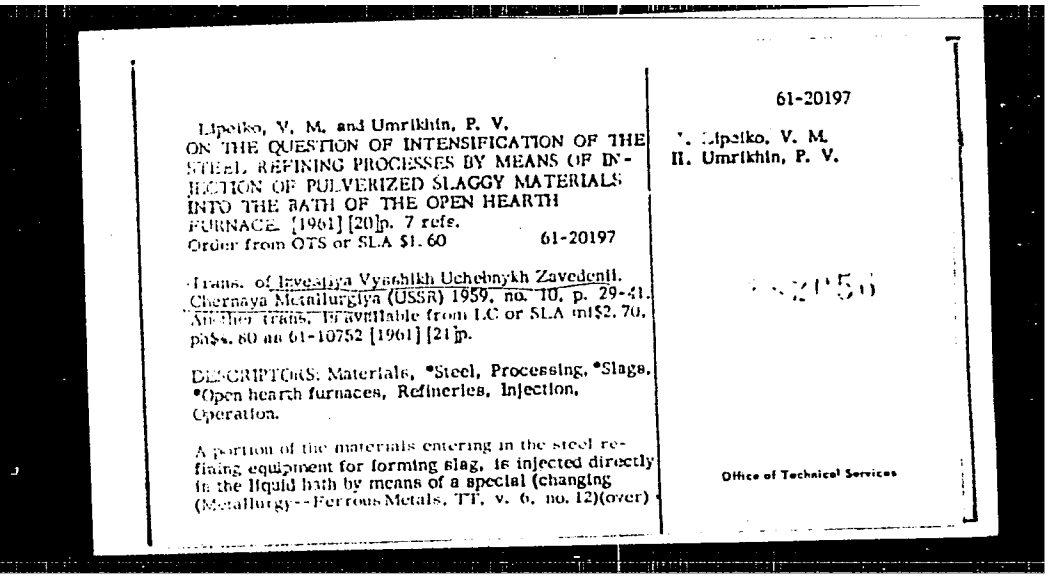

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ON THE QUESTION OF INTENSIFICATION OF THE STEEL REFINING PROCESSES BY MEANS OF INJECTION OF PULVERIZED SLAGGY MATERIALS INTO THE BATH OF THE OPEN HEARTH FURNACE. [1961] [20]p. 7 refs.
Order from OTS or SLA $1.60 61-20197

Trans. of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) 1959, no. 10, p. 29-41. Another trans. is available from LC or SLA at $2.70, ph$s. 80 as 61-10752 [1961] [21]p.

DESCRIPTORS: Materials, *Steel, Processing, *Slags, *Open hearth furnaces, Refineries, Injection, Operation.

A portion of the materials entering in the steel refining equipment for forming slag, is injected directly in the liquid bath by means of a special (changing (Metallurgy--Ferrous Metals, TT, v. 6, no. 12)(over)

61-20197

1. Lipeiko, V. M.
II. Umrikhin, P. V.

Office of Technical Services

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ATIC HCL 678

Sci - Min/Met

May 61
HC-1167

152, 582

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BISI 2004

Sci - Engr

May 61

148,117

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BISI 2207

Sci - Min/Metals

171, 418

Oct 61

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HB 4835

Sci - Chem

Aug 60

123,082

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HB 4858

Sci - Engr

Aug 60

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BISI 1989

Sci - Engr

May 61

148,116

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HB 5041

Sci - Min/Met

13 Apr 61

145,072

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HB 4877

Sci - Engr

Oct 60

129,111

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HB 4867

Sci-M/M
Jun 64

246,335

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HB 4859

Sci - Chem

Oct 60

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AEC Tr-4391

Sci - Min/Met
Apr 61

149,059

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CBS I.T.3523

Sci

Nov 61

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BISI 2565

Sci - Min/Metals

181,086

Jan 62

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*CFSTI TT 70-59091

Sci-Chem
June 70

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HB 4843

Sci - Min-met

Oct 60

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CDS I.T.3462

Sci

Nov 61

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HB 5132

Sel - Min/Met

199,397

Jun 62

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HB 4842

Sci - Min/Met

Oct 60

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BISI 2078

Sci - Phys

Jun 61

156,861

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AEC Tr 4441

Sci - Phys
Jun 61

154,786

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ATIC MCL-692/1

AEC NP-TR-509

128,477

Sci - Min/Metals
Chem

Oct 60

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ATIC MIL 674

Sci - Min/Met

May 61
IC 41167

152,578

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HB 4841

Sci - Min/Met

Oct 60

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HB 4902

Sci - Chem

Sep 60

127,045

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BISI 2003

SLA 61-23715

161,076

Sci - Chem

Jul 61

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HB 5036

Sci - Chem

Apr 61

147,437

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HB 5037

Sci - Chem

Jul 61

16,024

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

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HB 5035

Sci - Engr

Apr 61

147,458

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HB 5052

Sci-Engr

243,946

Dec 63

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HB 5081.

Sci - Min/Met

Jul 61

16,020

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HB 4882

Sci - Engr

Sep 60

127,046

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S-565/60 (DC-4192)

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JPRS 3924

Sci - Min/Metals

Sep 60

127,236

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S-565/60 (DC-4192)

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JPRS 3925
OTS 60-31775 27,239

Sci - Min/Metals

Sep 60

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JPRS 3926

Sci - Min/Metals

Sep 60

127,238

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HB 4901

Sci - Engr

Oct 60

129,105

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JPRS 3927

127,243

Sci - Min/Metals

Sep 60

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HB 4900

Sci - Chem

Oct 60

129,113

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RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 5, 1960, pp 150-158.

JPRS 3928

Sci - Min/Metals

Sep 59

127,246

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

The Investigation of Binary and ~~Ternary~~ Ternary Ferrous-and Molybdenum-base Alloys by the Micro-T.E.M.F. Method, by Ye. V. Panchenko, B. N. Strug.

RUSSIAN, per, Iz Vysshikh Uchab Zaved Chern Metal, Vol V, 1960, pp 147-180.

TIL/T. 5321
NB 5602
203, 441

Sci - M/M
Jul 62
List No 57

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

The Effect of Tri-Axial Pressure on the Atomic Magnetic Moments of Iron, Nickel, and of the Alloy Fe+36% Ni, by I. Ya. Dekhtyar, B. S. Nikhalenkov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 6, 1960, pp 44-51.

*BISI 2249

Sci - Min/Metals

Sep 61

list 110

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

Hot Strength of High-Phosphorus Austenitic Steel, by S. M. Vinarov, et al,

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 6, 1960, pp 106-113.

HB 5042

Sci - Min/Met

Apr 61

144,988

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

Quantity of Oxide Inclusion in Killed [Low-Carbon] Steel as Function of Way Aluminum Is Introduced for a Deoxidation, by S. F. Karp.

RUSSIAN, per, Iz Vyashikh Ucheb Zaved, Chern Metal, No 7, 1960, pp 49-53.

HB 4927

Sci - Min/Met

Apr 61

147,457

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

Heat Extraction in the Secondary Cooling Zone During Continuous Casting of Steel, by A. D. Akimenko, A. A. Skvortsov.

RUSSIAN, per, Iz Vyssshikh Ucheb Zaved, Chern Metal, No 7, 1960, pp 54-59.

HB 4931

Rsi - Min/Met

Jul 61

161,023

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

Continuous Blowing of Hot Metal in Runner With Oxygen, by V. A. Fuklev.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 7, 1960, pp 60-67.

HE 4926

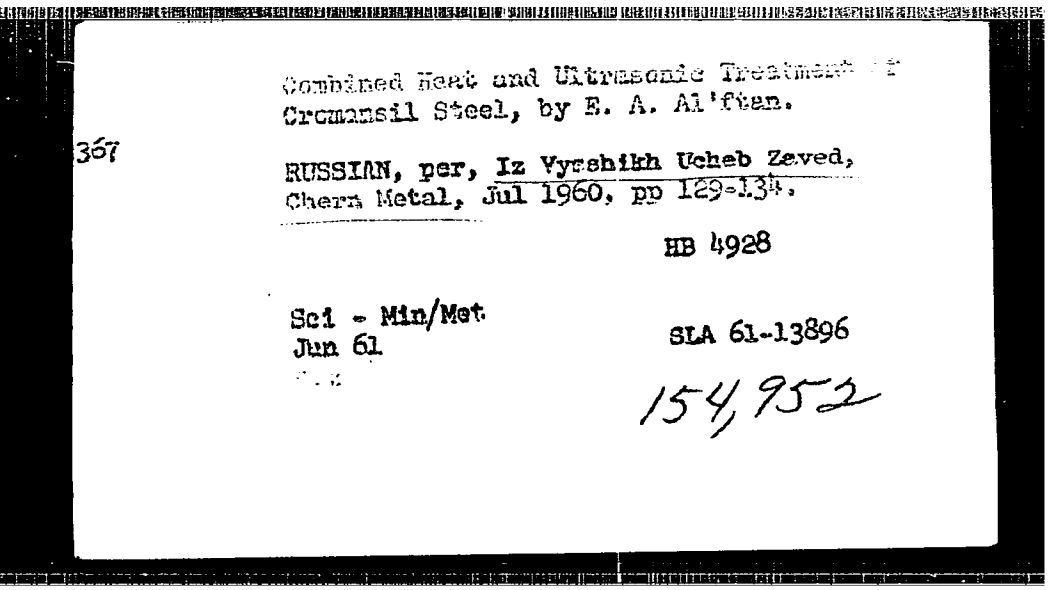
164,322

Sci - Min/Metals

Aug 61

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8



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367

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HB 4928

Sci - Min/Met
Jun 61

SLA 61-13896

154,952

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

The Dependence of the Recrystallization Temperature of Chrome-Base Binary Alloys on the Alloying Process, b S. S. Gorelik, N. N. Muller.

RUSSIAN, per, Iz Vyssh Ucheb Zaved, Chern Metallurgiya, No 7, 1960, pp 146-155.

Army Materiel Command
Tr Log No 104

Sci - M/M
Apr 63

22 1/312

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

EFFECT OF SECONDARY QUENCHING ON THE STRUCTURE AND PROPERTIES OF E1617 ALLOY, BY I. S. BELYATSKAYA, B. G. LIVSHITS,

RUSSIAN, PER, IZ VYSSHIKH UCHEB ZAVED CHERN METALLURGII, NO 7, 1960, PP 156-162.

NLL M.3493

SCI - M/M

JUN 62

199,144

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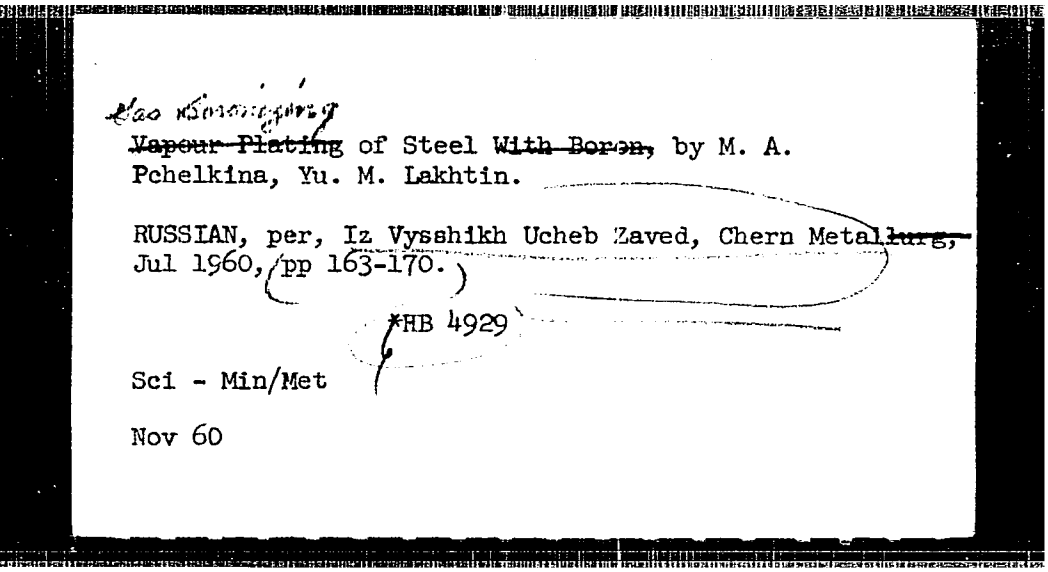

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RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metallurg, Jul 1960, pp 163-170.

*HB 4929

Sci - Min/Met

Nov 60

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

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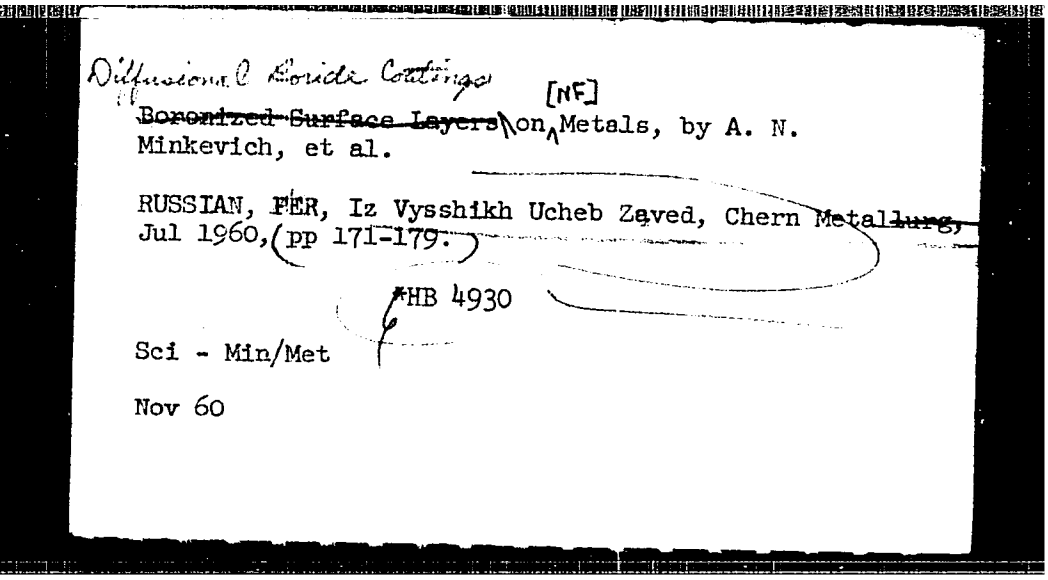

Diffusional Boride Coatings

[NF]

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*HB 4930

Sci - Min/Met

Nov 60

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The Surface Properties of Iron-Carbon Alloys, by B. V. Tsarevskiy, S. I. Popel'. 10pp

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NASA TT F-149
OTS TT-64-11501

Sci-M/M
Jan 64

246,189

NLL Ref: TS31.9 1963 (149) (Loan)

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

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Relationships Underlying

~~Laws Governing~~ the Pressure of the Blast-Furnace ~~Burden Upon~~ the Liquid Smelting Products, by V. K. Kropotov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, [redacted] 1960, pp 22-28.

No 81

*HB 5018

Sci - Engr

Jan 61

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

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A New Technology in the Melting of Ball-Bearing Steel ShKhl5 Using White Foaming Slags, by N. M. Chuiko, et al.

RUSSIAN, per, Iz : Vysshikh Ucheb Zaved, Chern Metal, Aug 1960, pp 38-47.

BISI 2136

Sci - Min/Met

Jun 61

156857

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

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The Ideal Shape for a Piercing Mill Plug, by V. V. Shveikin.

RUSSIAN, per, Iz Vysshikh Uchebn Zaved, Chern Metal, No 8, 1960, pp 81-87.

BISI 2785

Sci - Engr

204, 714

Jul 62

list 138

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

The Heating of Large Ingots in Regenerative Soaking Pits, by N. Yu. Taits, et al.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 8, 1960, pp 160-166.

BISI 2391

Sci - Engr

Sep 61

list 110

168,570

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

Turovskii, B. M. and Lyubimov, A. P.
THE EFFECT OF A MODIFYING AGENT UPON THE VISCOSITY OF CAST IRON (Vliyanie Modifitsirovaniya na Vyazkost' Chuguna). [1963] [9p] (foreign text included) 10refs
Order from OTS, SLA, or ETC $1.10 TT-64-10563

Trans. of Izvestiya Vyashikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) 1960, no. 9, p. 5-7.

DESCRIPTORS: *Iron, Casting, *Iron alloys, *Silicon alloys, *Viscosity, Metallurgy, Nucleation, Cast iron,

(Metallurgy--Ferrous Metals, TT, v. 11, no. 8)

TT-64-10563

I. Turovskii, B. M.
II. Lyubimov, A. P.

Office of Technical Services

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RUSSIAN, per. Iz Uyenhih. Zaiah Zavad Cvern Metal, No 9, 1960, pp 8-13.

NLL RTS 2193
(loan)

Sci -
Jul 63

238,122

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Desulphurization of Pig Iron and Steel in Vacuum, by G. N. Oiks, et al.

RUSSIAN. per, Iz Vysshikh Ucheb Zaved, Chern Metal, Sep 1960, pp 18-28.

HB 5067

Sci - Min/Met

Jul 61

161,021

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

Characteristics of the Pressing of Molten Steel Under High Pressure, by P. N. Bidulya, K. N. Smirnova.

RUSSIAN, per, Iz Vyssshikh Ucheb Zaved, Chern Metal, No 9, 1960, pp 43-49.

SIA 61-19207

Sci

168,609

Sep 61

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

Kolmogorov, V. L.
UNTERSUCHUNG VON BEARBEITUNGSVERFAHREN DER METALLE DURCH DRUCK NACH DEM VERFAHREN DER PLASTIZITÄTSTHEORIE (Investigation of Tooling Methods for Metals by Pressure According to the Plasticity Theory).
Order from TIB $3.35

Trans. in German of Izvestiya Vysshikh Uchebnykh Zavedenii. Chernaya Metallurgiya (USSR) 1960, no. 9, p. 79-89.

DESCRIPTORS: *Metals, Pressure, *Plasticity, *Theory

(Metallurgy, TT, v. 9, no. 11)

62-27307

I. Kolmogorov, V. L.
II. Technische Informationsbibliothek, Hannover (West Germany)

Office of Technical Services

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Study of Reversible [High-Temperature] Temper Brittleness by the Micro Thermo-Electromotive Force Method, by E. V. Pancherko, E. M. Strug.

RUSSIAN, per, Iz Vyesshikh Uchab Zaved, Chern Met., No 9, 1960, pp 157-159.

HB 5065

Sci - Min/Met

Jun 61

156,425

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

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RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 9, 1960, pp 160-166.

NB 5068

Sci - Min/Metals

170.116

Sep 61

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

Effect of Phosphorus and Boron Upon the Reversible [High-Temperature] Temper Brittleness of Low-Carbon Nickel Steels, by L. S. Lyakhovich, T. S. Shilkova.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 9, 1960, pp 167, 168.

HB 5066

Sci - Chem

Apr 61

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APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

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Flow Effects in the Blast-Furnace Bosh,
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RUSSIAN, per, Iz Vysshikh Uchebn Zaved,
Chern Metall, No 10, 1960, pp 40-45.

HB 5085

Sci - Engr
May 62

196,335

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Diffusion of Hydrogen in Semifinished Steel, by S. Ya. Povolotskiy.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 10, 1960, pp 79-83.

HB 5139

Sci

Aug 61

163,184

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Distribution of Stresses in a Forging Deformed by Bending, With Special Reference to Flake Formation, by I. E. Brainin, V. A. Kharchenko.

RUSSIAN, per, Iz Vass Ucheb Zaved, Chern Met, No 10, 1960, pp 139-142.

HB 5251

Sci - Engr
Oct 61.

171, 865

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Arc Furnace by Electric Current, by O. A. Esin, et al.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 11, 1960, pp 20-26.

HB 5093

Sci - Chem

Jun 61

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Desulfurization of Liquid Steel by Slag Mixtures During Vacuum Treatment, by V. A. Chernyakov, A. M. Samarin.

RUSSIAN, per, Iz Vyssshikh Ucheb Zaved, Chern Metal, No 11, 1960, pp 32-35.

HB 5092

Sci - Min/Met

Apr 61

147,455

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Study of Titanium-Alloyed Free-Cutting Steels, by
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HB 5091

Sci - Min/Met

Jun 61

155, 169

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HB 5094

Sci

170, 132

Sep 61

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(DC-5487)

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RUSSIAN, per, Iz Vysshikh Ucheb Zaved., Mash, No 11, 1960, pp 130-134.

JPRS 8333

Sci - Electricity

155457

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M-12,

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Sci - Engr

Apr 61

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

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Rate of Flow of Granular Materials From an Opening and ~~Mk~~ the Shape of the High-Permeability Zone, by B. S. Fyalkov, V. K. Grusinov.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, Dec 1960, pp 17-22.

HB 5105

Sci - Min/Metals

Aug 61

164,309

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

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RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Chern Metal, No 12, 1960, pp 23-30.

HB 5104

Sci - Chem

Jul 61

161,025

APPROVED FOR RELEASE: Thursday, December 13, 2001 CIA-RDP84-00581R000300830024-8

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Effect of Way of Pouring the Metal Into Mold Upon Longitudinal Cog Cracking of Continuously Cast Slabs, by M. A. Yodko.

RUSSIAN, per, Iz Vysshikh Uchab Zaved, Chern Metal, No 12, 1960, pp 31-38.

HB 5082

Sci - Min/Met

Apr 61

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Effect of Temperature and Time of Reheating of Large Ingots for Forging Upon Steel Properties, by M. P. Braun, Et al.

RUSSIAN, per, Iz Vysshikh Uchab Zaved, Chern Metal, No 12, 1960, pp 111-113.

HB 5090

Sci - Min/Met; Chem

Apr 61

147,450

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9673081

FTD MIL-1386/1

Sci - Min/Metal

2 Mar 62

186.279

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